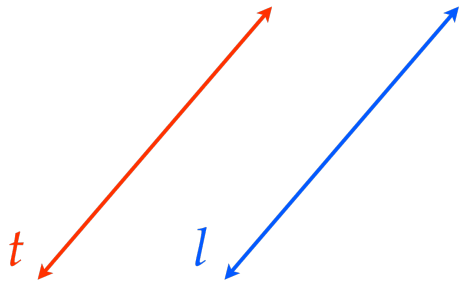
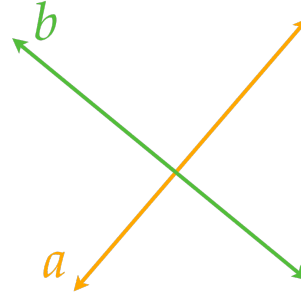


## Slopes of Parallel and Perpendicular Lines

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Line  $t$  is parallel to Line  $l$ Parallel Lines have the Same SlopeLine  $a$  is perpendicular to Line  $b$ Perpendicular Lines have  
Opposite Reciprocal Slopes

What is an opposite reciprocal?

Opposite Reciprocal

$$\frac{3}{2}$$

Line  $a$  is  $\perp$  to Line  $b$ 

$$\text{Slope Line } a = \frac{1}{2}$$

$$\text{Slope Line } b = -2$$

Line  $v$  is  $\parallel$  to Line  $s$ 

$$\text{Slope Line } v = 4$$

$$\text{Slope Line } s = 4$$

Parallel Lines have the  
Same Slope

Perpendicular Lines have  
Opposite Reciprocal Slopes